

ABSTRACT

Pressure-measuring apparatus is provided, including a battery and a pressure transducer. The pressure transducer is adapted to be placed in a patient, and has 5 a characteristic mechanical response bandwidth f , and a corresponding mechanical response period p equal to $1/f$. A control unit is adapted to actuate the battery to drive current through the pressure transducer for a current-driving time period less than $0.5 p$, and to sense an 10 electrical characteristic of the pressure transducer during the current-driving time period.